

## INTERNATIONAL SEARCH REPORT

Intern: Application No

PCT/IB 03/05848

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G08B25/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G08B H04M A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 838 275 A (LEE ARNOLD ST J) 13 June 1989 (1989-06-13) column 11, line 37 - line 43 column 13, line 18 - line 23 column 16, line 54 - line 61 column 20, line 9 - line 28 figure 1	1-5,7-11
A	WO 93 10621 A (DIGITAL DESIGNS INC) 27 May 1993 (1993-05-27) page 3, line 11 - line 16 figure 1	4,9,11
A	US 2002/106059 A1 (KROLL KARL J F ET AL) 8 August 2002 (2002-08-08) paragraphs '0052!-'0054!; figure 5 paragraph '0057!; figure 7	2,6-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 March 2004

Date of mailing of the international search report

17/03/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 488 005 A (FRANTZ GENE A) 11 December 1984 (1984-12-11) column 2, line 13 - line 17 -----	7

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4838275	A	13-06-1989	NONE	
WO 9310621	A	27-05-1993	WO 9310621 A1	27-05-1993
US 2002106059	A1	08-08-2002	US 6370234 B1	09-04-2002
US 4488005	A	11-12-1984	NONE	